

The DX Bulletin

• America's Oldest Weekly Amateur Radio Publication •

Issue 391 - June 12, 1987

DXpedition News

Libya - 5A Bert 5A0A continues to make plenty of contacts prior to his departure for Poland at the end of June. The best places to watch for him appear to be: 21165 kHz 19-2000Z, 14265 at 2000Z on weekends, and Jim Smith VK9NS's net on 14220 kHz at 0400Z. He's come up as much as a half-hour early for the latter sked. Work him now!

North Cooks - ZK Bing VK2BCH made it to Penrhyn OC-82 June 1, and should be active as ZK1XV for about 3 weeks ("or until the next boat leaves.") He has electricity 6am-noon, and 6pm-midnight, and runs his TS-430 off batteries at other times. Despite the dipole antenna, he has a good signal on 15 meters. Try 0300Z. And see I389 for more.

Vanatu - YJ Ron Wright ZL1AMO is on now as YJ0ARW from OC-35. Ron hangs out on 14026 and 7005 kHz, and often works stations below his transmit frequency, despite saying "U2." 15 meters should open to YJ around 0300Z. Sunrise 1920Z, sunset 0620Z. QSL to ZL1AMO.

Aves - YV0 Jim W6JKV will be /YV0 June 23-28, on 6 and 2 meters. He'll be going to Aves (NA-20) with two YV hams, who will provide some HF activity. QSL home call.

Maldives - 8Q As previously reported, 8Q7CH (AS-13) heads home at the end of June. He'll try to be especially active during his final weeks. Watch 14180 or 14005 kHz 01-0200Z daily, or 14055 kHz at 1700Z weekends. QSL SM5DQC.

Crete - SV9 DX-NL reports that DL4KAG and DF3KT will be /SV9 June 25-July 15. Emphasis on 20 and 15 CW.

St. Vincent - J8 Harry W8KKF will spin through the Caribbean this summer, starting in J8 July 7-12. He'll be in Radiosport July 11-12, and often on early evening hours (in the US), especially 10-20 SSB. He'll carry antennas for 40-160 as well. Other stops scheduled are Grenada J3 July 12-14, Dominica J7 July 18-19, and Antigua V2 July 25-26. QSL to home call. (all NA-22)

Corsica - TK HB9TL will be TK/ July 15-August 8th again this year. He especially favors 20 and 80 SSB; watch 14202+ kHz. QSL home call. Sunrise 0420Z, sunset 1840Z.

Madeira - CT3 Stefan DL4BBO will operate /CT3 (AF-14) July 24-August 13 on CW only. He'll hang out 26 kHz up on 10-20, and 3 up on 40 and 80. WARC bands, too. For the Worked All Europe CW contest August 8-9, he'll sign CT3FN, or maybe a CS9 call. QSL home address: Mainstr. 29, D-2805 Stuhr 2, West Germany. Sunrise 0620Z, sunset 2000Z.

Montserrat - VP2M Alex VP2MM and Rick VP2MIU will operate from The Last Resort July 4-10. They'll concentrate on VHF and satellites, but will also be on HF, including both SSB and CW. QSL to AB1U. [The Last Resort is booking up rapidly for the 1987-88 season; make your plans early! -ed.]

Pacific Joe WA6VNR is off to several islands in the Pacific in October, with his wife KB6MME and Joe VE3CPU. Tuvalu T2, Fiji 3D2, Vanatu YJ, and Tonga A3 are on the list so far. 160-10 meters, CW only, with emphasis on 80 and 160. He'll entertain skeds; contact him at his Callbook address. Donations are also accepted. More details nearer departure.

Aruba - P4 Bill N1GL will put P40A on from Aruba (SA-06) for the CQWW SSB test in October. [Maybe it will count for a new country for DXCC by then, but don't bet on it. -ed.]

San Andres - HK0 In another early "Reserve Your Island," Jim Talens N3JT will return to HK0 for CQWW, probably CW, but maybe SSB. He'll favor 14260 and 14025 outside of the contest. QSL home call; Green Stamps appreciated.

Equatorial Guinea - 3C 3C1MB has been very active on 20 SSB and CW, at 2300Z daily. Watch 14245 or 14007 kHz.

— Chod Harris VP2ML Editor

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PROPAGATION

Forecast and Historical Data

Day	Forecast	27 Days Before				55 Days Before			
		Date	Flux	A	K	Date	Flux	A	K
June									
12	High Nor	5/16	96	05/07	1	4/18	93	04/07	1
13	Low Normal	5/17	95	04/07	1	4/19	91	08/13	2
14	High/Above	5/18	95	03/06	1	4/20	85	18/20	1
15	High Nor	5/19	98	04/07	1	4/21	78	05/07	1
16	High Nor	5/20	98	05/10	2	4/22	76	04/08	2
17	Above Nor	5/21	98	02/07	0	4/23	76	05/07	1
18	High/Above	5/22	98	07/09	3	4/24	78	10/16	3
19	High Nor	5/23	93	08/13	2	4/25	75	05/07	2
20	Low Normal	5/24	96	13/26	3	4/26	73	05/08	1
21	Disturbed	5/25	94	24/40	3	4/27	74	10/14	3
22	High/Low	5/26	90	08/15	2	4/28	73	02/06	1

Thanks N4XX and KH6BZF.

Propagation Watch

Band conditions have been up and down over the past weeks, thanks to significant absorption during solar flares. The numbers above tell the story: May 17-23 featured high flux and very low absorption, and consequently super DX conditions, until May 24-25, when solar flares pushed the A index above 20, essentially wiping out long-haul propagation.

The sunspot group that gave us both the high flux and the flares (Region 4811) should come around again in mid-June, but is not expected to be as energetic as it was in May. Look for a significant boost to flux, and thus long-haul DX, starting around June 14, and lasting until June 23. But beware of possible flares, especially June 19-21.

Propagation tends to be very good just before the particles from the flares hit our atmosphere, so keep an ear on the bands in mid-month. Conditions for the All Asian contest June 20-21 could be anything from excellent to awful, depending on flare activity.

Cycle 22

The smoothed sunspot count for November, 1986 was 17.9, up significantly from the October number of 15.5. The experts at the Space Environment Services Center (the WWV propagation people) now say "The sunspot minimum may have occurred September 1986." While it's still too early to say for certain, this prediction (first made by The DX Bulletin months ago) looks better and better every day!

Sunspot Cycle 22 Years Long, Not 11 Years!

A fascinating article on the sunspot cycle appeared in the June, 1987, issue of Sky and Telescope magazine. The latest research suggests that the sunspot cycle is actually 22 years long, consisting of two peaks and valleys of solar activity per cycle. This research may lead to a better understanding (and better predictions) of this elusive solar phenomenon.

WWV Survey

Have you sent in your WWV survey yet? The future of WWV's time, frequency, and propagation services may be influenced by your responses. So request a copy of the survey form from the National Bureau of Standards, 325 Broadway, Boulder CO 80303, and return it promptly. A copy of the survey is also reproduced on pages 47 and 48 of the June issue of ham radio magazine.

Tube Sockets Wanted

Ralph Hirsch K1RH, who is now operating from St. Pierre, is looking for two sockets for 250TH tubes, for an amplifier project. Any The DX Bulletin reader know of a suitable source? [Ralph is also long-time QSL manager for VP2ML. -ed.]

Notes From Here and There

• The ARRL has petitioned the FCC to change the format of "portable" call signs of aliens operating in the US. In accordance with IARU recommendations, the League is asking the FCC to change its rules to put the "portable" prefix in front of the call sign: W6/VP2ML. Many other countries already use this format, and more will adopt it in the future. It actually makes sense to give call signs in this manner, as the first part of calls always identifies the country of operation. Of course, Bandpass has been using this format exclusively, but for reasons of computer sorting, not political conviction.

• The 40 meter SSB subband has been much approved of late, since the Russians stopped jamming the Voice of America. QRM levels are way down, and the holes between the broadcast stations seem larger. The USSR has switched to jamming Radio Liberty, but on far fewer frequencies than VOA.

• Word from Taiwan (AS-20) says that there are now seven licensed permanent residents in the country. In addition to long-time ham Tim BV2A/B, the following calls have been issued: BV2FA BV2GA BV6IA BV7JA BV7KA and BV7LA. BV6IA is by far the most active, after Tim.

• June 20-21 marks the 50th anniversary of the first over-the-pole Moscow to USA flight. The Western Washington DX Club tried to set up a joint USSR/USA DXpedition to Diomed Islands, but the Russians declined the offer. So they have compromised on a Work-the-Russians weekend. The 48 hour event will concentrate on 7015-25, 14060-70, 14170-80, 21060-70, and 21260-70 kHz. WWDXC members will share their club call, W7FR.

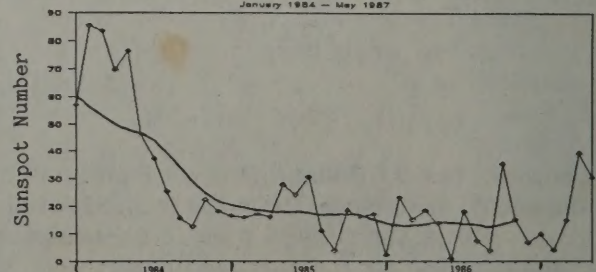
• Second-hand word from Sri Lanka says that a special event station 4S7AA will be active June 20-25. All bands and modes, with several operators. No direct word nor further details, but keep an ear out.

• Portugal is celebrating 60 years of amateur radio activity with an award for working Portuguese hams during 1987. The point system varies depending on where you are in the world, but the object is to work as many CT stations as possible in the year. The central club station CT1REP counts for 5 points. The award costs \$4 or 8 IRCs, from Box 2483, Lisbon 1112, Portugal.

• An alternative to costly IRCs or Green Stamps for return of QSLs is actual postage stamps of the foreign country. As a DX station who has mailed more than 100,000 QSLs, I can say that a stamped, self-addressed envelope is much appreciated, and gets fast action. However, the task of getting the proper DX stamps prevents widespread use of this process. Now another foreign stamp service has started: DXers Postage Service, by Ron Wolfgang WP2ADC. Cost of airmail return stamps range from \$0.45 for Canada to \$1.35 for Reunion or West Germany, with most in the \$1.20-1.30 range. Send an SASE to P O Box 8851, Trenton NJ 08650 for the latest price and availability list. Ron thus joins George Robertson W2AZX (7661 Roder Parkway, Ontario NY 14519) as suppliers of these stamps. (A quick comparison shows prices of the two services to be very similar, with W2AZX's a nickel lower in many cases.)

INTERNATIONAL SUNSPOT NUMBER

January 1984 - May 1987



BANDPASS

Reports Wanted,
Especially RTTY, 30 meters

-----RTTY-----

CP1FQ 14089 1225 30 OH
FG5BG 14093 2102 28 CA
HC5KA 14094 1240 30 OH
HI8AJ 14089 1300 30 OH
HI8EL 14089 1300 30 OH
J73EH 14089 0012 29 CA
JA1BWA 14087 1225 30 OH
OA4CN 14090 2110 31 OH
OX3FG 14090 1700 28 CA

-----40 Meters-----

C21XX 7003 1215 30 OH
C21XX 7017 0949 30 CA
CM8AR 7002 1045 27 OH
FK8DD 7004 1055 22 CA
FK8FU 7002 1136 27 CA
FT8WA 7002 1229 5 CA
GW4RH 7012 0420 28 MO
L2D 7025 0822 31 PA
OA4ZV 7027 0141 31 GA
OA8AAQ/4 7013 0215 6 FL
PZ1DV 7004 1020 24 IL
UA2FZ 7010 0243 30 AL
UF6AL 7005 0055 5 FL
UP7A 7032 0225 31 GA
VK2BQQ 7030 0659 30 PA
VK9NL 7008 1052 2 AL
VP2VCW 7036 0208 31 GA
VS6DT 7004 1354 27 CA
YJ0ARW 7003 0942 4 CA
YJ0ARW 7004 1239 5 CA
YJ0ARW 7004 1116 6 FL
YJ8JH 7183 0730 28 MO
YN3EO 7005 0418 28 MO
ZL2BIU 7009 1040 27 OH

-----30 Meters-----

F6DYG 10105 2337 21 CT
RB5ZB 10104 2311 17 CT

-----20 Meters-----

3B8CF 14032 0312 26 MO
3C1MB 14008 2309 2 FL
3C1MB 14002 2320 2 CA
3C1MB 14244 2318 31 MN
4K1H 14005 0205 24 MO
4U1ITU 14226 1619 22 CA
5A0A 14220 0430 5 CA
5A0A 14264 2130 5 CA
5A0A 14220 0430 5 CO
5L2CU 14003 2304 2 FL
5L7T 14028 2257 2 FL
5L7T 14024 0105 29 MO
5L7T 14006 2356 30 AL
5L7T 14006 0131 31 PA
5L7T 14032 0129 5 CA
5N6KSE 14290 2005 31 MI
5X5GK 14191 0517 5 CO
7X2DS 14176 0205 29 MO
9M2CW 14199 1425 23 MO
9M2FZ 14162 1445 23 MO
9M8GH 14205 1535 19 CA
9Q5NW 14180 2030 25 MO
9Q5NW 14204 2132 5 CA

9V1TL 14014 1614 7 CA
9V1VY 14165 1315 3 CO
9Y4VU 14028 2258 2 FL
A61AB 14250 0404 22 CA
AP2MQ 14187 1815 18 CA
BV2B 14227 1227 30 MN
BY1QH 14187 1455 23 MO
BY4AA 14175 1559 23 CA
BY4AA 14177 1450 23 MO
BY4RB 14020 1222 2 MN
CE0FFD 14006 0230 26 MO
CE0GHO 14206 0122 31 MN
CO2FC 14023 0018 5 CA
CR7DKG 14040 2045 31 PA
EA8BCJ 14013 2342 2 FL
EA9NF 14013 2337 2 FL
FF3TV 14010 1548 30 AL
FJ/K2IBW 14189 0134 02 MA
FJ/K2IBW 14186 0158 26 MI
FK8BA 14003 0542 3 CA
FK8DD 14003 0543 3 CA
FK8FS 14021 0405 24 MO
FO5DF 14012 0204 29 MN
FO5DF 14012 0150 29 MO
FO5IO 14203 0435 25 MO
FO5JP 14017 0040 30 AL
H44JA 14227 1400 25 CA
HG19HB 14182 0520 19 CA
HH2/ 14009 0202 6 FL

N0APT

HH2MC 14138 0152 27 MI
HK0BKX 14042 0206 6 FL
HL9MM 14208 1225 30 MN
HS0B 14181 0851 23 CA
HZ1HZ 14015 2115 30 MN
J28EO 14011 1954 31 AL
J37AH 14220 0214 26 MI
J37AH 14242 0003 29 CA
KA2CC 14194 1247 30 MN
KH2/NY6M 14049 1258 31 MN
KH3/ 14192 0812 23 IL
KL7LF 14194 0428 28 MO
KH3/ 14196 0516 31 CA
KL7LF 14197 0457 5 CA
KS6DV 14309 0420 28 CA
KX6BU 14194 1420 24 MO
KX6BU 14195 1415 25 CA
KX6QR 14183 0817 23 IL
OD5OS 14177 2258 30 MI
OD5SM 14210 2225 31 MI
OX3GH 14198 2342 2 CA
OX3GH 14200 2340 28 MO
OX3GH 14200 0212 30 MA
OX3KD 14018 2350 2 CA
OX3KD 14019 0000 3 FL
RF2V/ 14026 2344 3 FL

UA9CGI

RJ8JDV 14009 0233 26 MO
SV1RP/5 14012 2030 30 MN
T32BF 14178 0304 26 CA
T32BF 14178 0300 26 MO
TA4A 14049 2302 2 FL
TA4A 14050 0125 5 CA
TG9YV 14008 2308 2 FL
TO6JUN 14011 1450 05 CA
TU2MY 14240 2335 31 MI
TU2MY 14237 2315 31 MN
TU2QQ 14226 1720 24 MO

TU4CG 14063 2121 31 AL
TV7GLC 14022 2028 31 AL
UB1RR 14028 0052 5 FL
UD6DFF 14011 2327 2 FL
UH8BZ 14002 0150 24 MO
UI8CD 14217 0304 24 MO
UJ8XC 14181 0313 24 MO
UL7FEC 14023 0041 5 FL
UL7PBD 14003 0043 4 FL
UM0N/ 14020 0040 4 FL

UM9MWA

UM8MK 14026 0004 3 FL
UM8NAC 14022 0330 23 IL
V2AU 14007 0120 27 CA
V31A 14025 1138 31 FL
V85HG 14202 1430 23 MO
V85HG 14202 1430 24 MO
V85PO 14222 1510 23 MO
VD1DH 14204 0155 5 CA
VP2VCW 14029 1137 31 FL
VU2HI 14173 0156 3 CA
VU2SNM 14167 0245 24 MO
YJ0ARW 14026 0540 3 CA
ZC4AP 14038 2051 31 AL
ZK1CG 14210 0730 23 IL
ZK1CG 14206 0435 25 MO
ZK1XV 14220 0641 2 CA
ZL7AA 14309 0324 2 MN
ZL7TZ 14178 0430 25 MO
ZL7TZ 14178 0448 25 CA

-----15 Meters-----

5T5CJ 21043 1842 30 AL
7P8DX 21040 1423 30 AL
7P8DX 21039 1415 31 GA
8R1RBF 21255 1620 24 MO
CE6EJZ 21266 2100 16 CA
FK8FN 21020 0044 5 CA
KX6DS 21290 0210 24 MO
KX6QR 21233 0759 22 CA
SV1ACG 21265 2033 19 CA
TL8CK 21270 1530 23 MO
VK7OW 21296 0048 5 CA
YC1EHR 21265 1715 22 CT
YC2WE/0 21265 1719 22 CT
YC6SC 21272 1710 19 CA
ZK1XV 21318 0050 5 CA
ZS3GB 21207 1739 24 CA

-----12 Meters-----

9Y4CL 24962 2108 19 CT
FY5AU 24945 2149 18 CT
J37AJ 24963 2055 19 CT
J37AJ 24953 2007 2 PA
LU1DOW 24895 2240 24 CT
PJ9EE 24958 2215 18 CT

-----10 Meters-----

8R1J 28040 2033 30 AL
8R1J 28040 1950 30 MN
CX7BY 28021 1955 30 MN

QSL INFORMATION

QSLs Received

- ZD8CW via ZD8 bureau, with Green Stamp and SAE, in three weeks.
- TL8TG, Tom Gregory N4NW
- A71BK BV2AA OH0MD/OJ0 9K2AY 7Q7LW
- and many Russian SWL cards from QSOs in 1978-79!
- 3Y1EE/3Y2GV cards are mostly out. The cards were distributed to separate QSL managers for each day and callsign. If the QSO was not immediately located, the card was put into the "tomorrow" box, for further investigation. (I.e., wrong UTC date, etc.) Also, if more than one card was sent per SAE, the envelope has to go through several managers in series, which will also slow response. So it's not time to panic, nor to send another card. Yet. Hang in there a little longer.

QSL Help Wanted

- LZ1KGB direct address by W3SAI (not in '86 nor '87 Callbooks.)

New Look to Bandpass

Notice anything different about Bandpass this week (besides the fact that it is much shorter than usual, thanks to solar flares)? I've finally tied my data base management program for Bandpass to the word processing program of my new XT-like computer. I can now slash the zeros, put in real heads for each band, boldface reports from the 25 Most Wanted countries, underline high points (such as unusual times or frequencies), and lots of other formatting tricks that my old data base management program could not handle. Now that The DX Bulletin has these added capacities, what should I do with them? I'm open to suggestions from readers of ways to improve Bandpass. The idea, of course, is to make Bandpass as readable and useful as possible. What are your ideas to change Bandpass? (This is just one of many changes you'll be seeing in The DX Bulletin over the next year; stay tuned for more surprises. -ed.)

Key to Bandpass: Callsign, frequency, UTC, day of month, state. * = long path, P = Packet. All 'portable' calls are listed with country of operation first, regardless of format used on the air.

8 00498 87/09
A A LAUN K3ZO
AMERICAN EMBASSY (USIS)
APO MIAMI FL 34021

FIRST CLASS MAIL

First Class
U.S. Postage Paid
Santa Rosa, CA
Permit No. 550

U.S.A.
816 Fourth Street, Suite 1001
Santa Rosa, CA 95404

The DX Bulletin

CALENDAR

Issue 391 - June 12, 1987

(Changes and hot info in boldface.)

Algeria - 7X	7X2LS 20 SSB 01-03Z	I389
Andorra - C3	C30LEF Jun 20-Jul 15	I384
	C33A August 5-31	I384
Aruba - P4	P40A CQWW SSB -N1GL	I391
Aves - YV0	W6JKV June 23-8 VHF	I391
Bahrain - A9	A92BE 14150+ 0300Z	I390
Brunei - V8	V85s AC CW RM 13-15Z	I389
Christmas - T32	T32BF 14178 0200Z	I386
Christmas - VK9X	VK9XP 20 SSB 1300Z	I387
China - BY	14025-30 0030-0200Z	I378
Crete - SV9	by DLs Jun 25-Jul 15	I391
Cocos - TI9	by TI8CBT soon?	I390
Corsica - TK	HB9TL Jul 15-Aug 8	I391
Crozet - FT8W	FT8WA 14236 0400Z	I389
Easter Is - CE0	CE0GHO YL 14220 01Z	I388
Eq. Guinea - 3C	July 10-19 on CW	I389
	3C1MB 14245 or 1400Z	I391
Indonesia - YB9	Bali Is. June 20-21	I388
Jan Mayen - JX	JX9CAA 14220, 21220	I389
Kuwait - 9K	9K2DZ 14200 01-0400Z	I389
Libya - 5A	5A0A 21260 19-2000Z	I391
	14220 at 0400Z	I389
Macquarie - VK0	VK0GC 14309 0300Z	I389
	1831/2 0900 Mondays	I388
	VK0ML 10 up CW 06Z	I390
Madeira - CT3	DL4BBO Jul 24-Aug 13	I391
Maldives - 8Q	8Q7CH 20 M 01-0200Z	I391
	14055 1700Z weekends	I389
Martinique - FM	WA1AYS VHF Jun 13-14	I388
Montserrat -VP2M	VP2MM, MIU Jul 4-10	I391
Nepal - 9N	9N1MM 14236 at 0130Z	I384
	and 0030 Wed. 14236	I388
	9N1MC 14200 09-13Z	I385
North Cooks ZK1	ZK1XV now-June 20	I391
Oman - A4	Many 03-0400Z 20 SSB	I386
Pacific	WA6VNR October	I391
Pakistan - AP	AP2s SQ, MQ 20 SSB	I385
Qatar - A7	A71BK 20 SSB 02-04Z	I389

Russians - U/R	Lots 0200, 1500Z	I383
St. Pierre - FP	K1RH June 6-16	I385
St. Vincent - J8	W8KKF July 7-12	I391
San Andres - HK0	N3JT CQWW	I391
Sao Tome - S9	S92LB 14157 1930Z	I390
Sri Lanka - 4S	4S7RO, EA 01-02Z or 15-1600Z 20 SSB	I388
Svalbard - JW	SP5EXA/JW June-Aug	I374
Taiwan - BV	BV2B 14227 13-14Z	I389
Thailand - HS	HS0A in contests, HS0B on weekends	I377
Unied Arab Em	A61AB 14243 1500Z	I387
	14250 0400Z net	I390
Vanatu - YJ	YJ0ARW 14026, 7005	I391
W. Malaysia- 9M2	Many 9M2 14-1600Z	I386
Zone 23	BY0AA 14024 0030-0130	

DX Activities and Contests

Date	Event or Activity	Info
June 13-14	South American CW Test	CQ
June 13-14	ARRL VHF QSO Party	QST
June 20-21	All Asian SSB	CQ
Note that the dates in CQ are wrong!		
June 19-21	Friedrichshafen, West Germany Europe's Dayton!	
July 11-12	IARU Radiosport	QST
July 25-26	Northwest DX Convention, OR.	I388
Oct. 10-11	DXPO 87, Atlanta GA	WB4ZNH

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